



Industry-Wide Entrainment Monitoring Study - Activity Report for Third Quarter 2011

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1 attachment



EMS_3Q2011.pdf

Isaac,

The attached file is the entrainment monitoring study activity report for the third quarter of 2011.

Please contact me if you have any questions about this report.

Best regards,

Joe Smith

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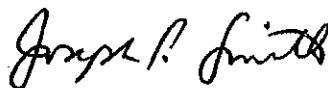
Isaac Chen
EPA Region 6

**Cooling Water Intake Structure Entrainment Monitoring Study
Activity Report – Third Quarter 2011**

This document is the third quarterly activity report for the Industry-Wide Entrainment Monitoring Study being conducted to meet the requirements of NPDES Permit GMG290000.

The study involves sampling at four Gulf of Mexico platforms (Figure 1). For each site visit, the sampling plan calls for three net tows, representing morning, mid-day, and dusk sampling times. Table 1 presents the number of successful tows conducted during the first three quarters 2011. Out of a total of eighteen cruises scheduled to begin during that entire period, four had to be cancelled entirely due to adverse sea conditions. Sea conditions interfered with completion of sampling on four other cruises. As previously discussed with EPA, missed samples are being made up as soon as possible on subsequent visits. With the exception of one sampling period in Block AC25, we have collected 17 of 18 scheduled samples for all sites and sampling periods through the end of the third quarter 2011. We have collected 15 of 18 scheduled samples for the dusk sampling period at AC25. Overall, we have collected 93% of the samples scheduled to date.

Please contact me by e-mail at joe.p.smith@exxonmobil.com or by phone at 713-431-4532 if you have any questions about this report.



Joseph P. Smith
Chair, Cooling Water Intake Structure
Technical Workgroup

Table 1. Entrainment Monitoring Study Sampling Activities – Through September 2011

Cruise	Date	Sampling Site - Block Number											
		GB668			AC25			MC290			VK989		
		Dawn	Mid-Day	Dusk	Dawn	Mid-Day	Dusk	Dawn	Mid-Day	Dusk	Dawn	Mid-Day	Dusk
1	23-30 Jan 2011	1	1	1	1	1	1	1	1	1	1	1	1
2	Canceled - weather	--	--	--	--	--	--	--	--	--	--	--	--
3	19-26 Feb 2011	2	2	2				2	2	2	2	2	2
4	Canceled - weather	--	--	--	--	--	--	--	--	--	--	--	--
5	16-26 Mar 2011	2	1		3	3	1	2	2	2			2
6	Canceled - weather	--	--	--	--	--	--	--	--	--	--	--	--
7	17 - 20 April 2011	--	--	--	--	--	--	2	2	2	3	3	2
8	01 - 08 May 2011	3	2	3	3	3	3	--	--	--	2	--	--
9	17 - 20 May 2011	--	--	--	--	--	--	2	2	2	1	3	--
10	26 - 29 May 2011	--	--	--	--	--	--	1	1	1	1	1	3
11	9-18 Jun 2011	3	5	5	4	4	3	1	1	1	1		
12	30 June - 7 July 2011	1	1	1	1	1	3	1	1	1	1	2	2
13	15 - 19 July 2011*	--	--	--	1	1	2	--	--	--	--	--	--
14	30 July - 6 August 2011	2	2	2	1	1	1	2	2	2	2	2	2
15	13 - 21 August 2011	1	1	1	1	1	1	1	1	1	--	1	1
16	28 - 31 August 2011	--	--	--	--	--	--	1	1	1	2	1	1
17	14 - 20 September 2011	2	2	2	2	2	--	1	1	1	1	1	1
18	Canceled - weather	--	--	--	--	--	--	--	--	--	--	--	--
Total Samples		17	17	17	17	17	15	17	17	17	17	17	17

* Sampling during Cruise 13 was not completed due to an equipment failure.

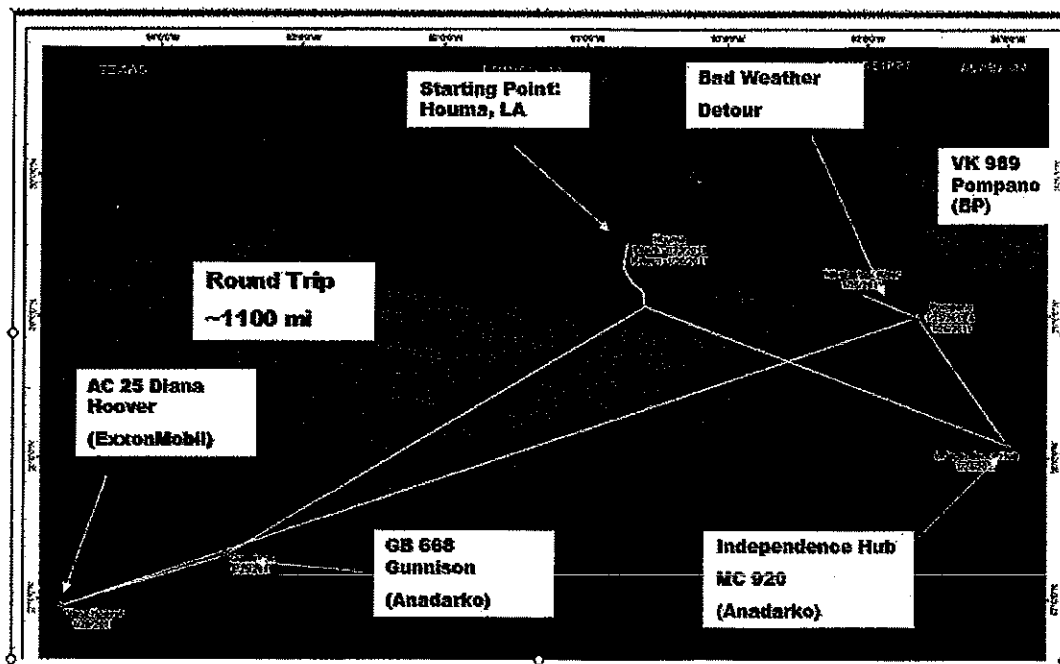


Figure 1. Map of the Gulf of Mexico showing the track of the first sampling cruise for the entrainment monitoring study. This cruise involved a detour allowing the vessel to stay in sheltered waters during a short period of bad weather.